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**Alternatives to conventional Agriculture** p 325 – 330

Define **Alternative Agriculture**

Define **sustainable agriculture**

Identify the 4 guiding principles of sustainable agriculture

In the United States, what does the term **organically grown** mean?

Identify some of the negative effects of conventional agriculture on soil and water

Define **precision agriculture**

The reading gives examples of **integrated pest management** control techniques used for gypsy moths and purple loosestrife. Both of these organisms are found throughout Minnesota, as are many other non-native organisms. Conduct an online search for 1 of invasive or non-native organisms in Minnesota and summarize your findings before creating a 60s or less PSA.

Begin your research at <http://www.dnr.state.mn.us/invasives/index.html>

1. How did the organism come to MN?
2. What is the range of the organism in MN?
3. Why is this organism a concern in MN?
4. How is the organism being managed?
5. What can citizens do?

Use your research information as inspiration to create a 60s or less Public Service Announcement about the organism and how Minnesotans can help to control its spread.

Use the PSA worksheet to help you draft your script and storyboard. I will collect your PSA worksheet. Film your PSA in imovie and be prepared to share it with the class.